

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

SEPTEMBER 1934

Any five of the nontechnical publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D.C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

Except in the case of exchanges, publications are not sent free to residents of foreign countries.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farms and farm home.

Potato production in the South. William Stuart, Bureau of Plant Industry. 30 p., illus. (F. B. 1205F., rev.) Price, 5¢.

Storage of sweetpotatoes. H. C. Thompson. Revised by Victor R. Boswell and J. H. Beattie, Bureau of Plant Industry. 28 p., illus. (F. B. 1442F., rev.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Quality guides in buying ready-made dresses. Clarice L. Scott, Bureau of Home Economics. 8 p. (Leaf. 105L.) Price, 5¢.

Most of the labels now attached to ready-made clothes give little help, and few merchants have definite information about the quality of their goods. As a guide to better buying, the more important points to consider in selecting ready-made dresses are summarized in these pages.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Poplars, principal tree willows and walnuts of the Rocky Mountain region. George B. Sudworth, Forest Service. 112 p., illus. (T. B. 420T.) Price, 10¢.

Discusses certain of the hardwoods of this region. Effort has been made to supplement the text descriptions as fully and as accurately as possible by keys and illustrations. The nomenclature is that established as official for the Forest Service, as presented in the Check List of the Forest Trees of the United States.

The use of naphthalene against the Japanese beetle. Walter E. Fleming and Francis E. Baker, Bureau of Entomology. 28 p. (T. B. 427T.) Price, 5¢.

In the control of the Japanese beetle, the authors have attempted to bring together experimental data and pertinent facts relating to the use of naphthalene against this insect. As a result of these investigations a quarantine procedure for destroying the immature stages of the beetle was adopted in March 1929 and has been in operation ever since.

Comparison of scabbed barley, normal barley, and yellow corn in diets for laying chickens. Harry W. Tutt and A. B. Godfrey, Bureau of Animal Industry. 10 p., illus. (T. B. 435T.) Price, 5¢.

These experiments show that the diets which contained corn were the most efficient; scabbed barley whether slightly, moderately, or very badly scabbed, may be expected to give essentially the same results as normal barley.

The effect of homogenization on certain characteristics of milk. C. J. Babcock, Bureau of Dairy Industry. 12 p., illus. (T. B. 438T.) Price, 5¢.

The milk consumers of the United States have associated cream line with quality for so long that undoubtedly it will be many years before the practice of homogenizing market milk becomes general. It can be safely predicted, however, that the practice will gradually be extended.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Report on a preliminary field survey of the so-called "alkali disease" of livestock.

Kurt W. Franke, South Dakota Agricultural Experiment Station, T. D. Rice, Bureau of Chemistry and Soils, A. G. Johnson, Bureau of Plant Industry, and H. W. Schoening, Bureau of Animal Industry. 10 p., illus. (Circular 320C.) Price, 5¢.

As early as May 1931 it was suggested that possibly this disease might be caused by traces of selenium absorbed by plants from the soils of the areas in question. Indications are that this suggestion is correct. This circular is restricted to an historical summary and the results of the survey.

Studies on handling sugarcane frozen early in March in advanced stages of development. George Arceneaux and R. B. Bisland, Bureau of Plant Industry. 8 p. (Cir. 324C.) Price, 5¢.

The results of experimental studies on methods of handling the frozen cane recorded herein should prove valuable in the event of occurrence of a similar situation.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as *Miscellaneous Circulars*.

Macrolepidoptera and their parasites reared from field collections in the northeastern part of the United States. J. V. Schaffner, Jr., and C. L. Griswold, Bureau of Entomology. 160 p. (M. P. 18SMP.) Price, 15¢.

Presents a resume of data obtained from the studies of macrolepidoptera and their parasites so that it will be available to investigators, teachers, and students of biological control, as well as to others interested in the subject.

A review of the patents and literature on the manufacture of potassium nitrate with notes on its occurrence and uses. Colin W. Whittaker and Frank O. Lundstrom, Bureau of Chemistry and Soils. 54 p. (M. P. 19 MP.) Price, 5¢.

Discusses briefly the history and occurrence of potassium nitrate and describes the various processes in actual or prospective use for its preparation.

Barley diseases controlled by seed treatment. R. W. Leukel and V. F. Tapke, Bureau of Plant Industry. [4] p., illus. (M. P. 199MP.) Price, 5¢.

A brief description of covered smut, brown loose smut, black loose smut, stripe, and seedling blight due to scab-infected seed. Directions are given for applying the different seed treatments effective in their control.

Federal legislation, rulings, and regulations affecting the State Agricultural Experiment Stations. Office of Experiment Stations. 36 p. (M. P. 202MP.) Price, 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Migratory Bird Treaty Act regulations and text of Federal laws relating to game and birds. Bureau of Biological Survey. 21 p. (S. R. A.-B. S. 79.)¹

Rice Quarantine no. 55, revision of regulation 6. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Q. 55.)¹

Notices of Judgment under the Food and Drugs Act, Food and Drug Administration. Pp. 75-142 (N. J., F. D. 21176-21250.); pp. 143-246. (N. J., F. D. 21251-21500.); pp. 1-21. (N. J., F. D. 22001-22025.)¹

OTHER PUBLICATIONS

Plant material introduced by the Division of Foreign Plant Introduction, Bureau of Plant Industry, July 1 to September 30, 1932 (Nos. 100468-101157). (B. P. I. Inventory 112.) 29 p. Price, 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 18 no. 9, September 1, 1933. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 10, 1933, Index; vol. 11, no. 8, August 1934. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Experiment station record. Vol. 69, Index number; vol. 71, no. 2, August 1934.

Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.50 per volume, foreign. Single number for sale only. Price, 15¢.²

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 5, no. 8, August 1934. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$2.25 a year domestic; \$3.50 a year foreign. Not distributed free to individuals. Each issue, price, 15¢; 20¢, foreign. Reprints, 5¢ each.²

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

— Vol. 49, no. 1. Illus. July 1, 1934.

Contents:

Oil retention, oil-emulsifier ratio, and oil-water ratio as affecting the insecticidal efficiency of emulsions (K-249). A. W. Cressman and Lynn H. Dawsey.

Changes in total nitrogen content during the life of the imago of the worker honeybee (K-250). Mykola H. Haydak.

Testing contact insecticides on the Japanese beetle, and results with some sodium and potassium soaps (K-251). Walter E. Fleming and Francis E. Baker.

The effectiveness of stomach-poison insecticides on the Japanese beetle (K-252). Walter E. Fleming and Francis E. Baker.

Effect of failure of pollination on composition of corn plants (G-901). Arthur M. Brunson and W. L. Latshaw.

Soft scald and soggy break-down of apples (G-904). Charles Brooks and C. P. Harley.

The occurrence of ferrous iron in phosphate rock (E-54). H. L. Marshall.

Beaufort scale of wind force as adapted for use on forested areas of the northern Rocky Mountains (F-67). George M. Jenison.

An outbreak of fowl plague in New Jersey in 1929 (N. J.-28). F. R. Beaudette, C. B. Hudson, and A. Howard Saxe.

— Vol. 49, no. 2. Illus. July 15, 1934.

Contents:

Seasonal development of *Ribes* in relation to spread of *Cronartium ribicola* in the Pacific Northwest (G-910). H. G. Lachmund.

Some improvements in auto-irrigator apparatus (G-911). L. A. Richards and H. L. Blood.

Anthesis, pollination, and fertilization in *Sorghum* (G-915). J. C. Stephens and J. R. Quinby.

Studies on the fermentation of tobacco (Wis.-61). James Johnson.

The nutritive value of green, immature soybeans (J-3). Carey D. Miller and Ruth C. Robbins.

The nutritive properties of protein, vitamins B and G, and the germ in rye (Minn.-87). D. W. Johnson and L. S. Palmer.

Resistance to common bean mosaic in the Great Northern field bean (Idaho-11). W. H. Pierce.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication.

Farmers' Bulletins	Leaflets	Other publications



Journal of Agricultural Research. Vol. 49, no. 3. Illus. August 1, 1934.

Contents:

- Variability in *Pythium arrhenomanes* in relation to root rot of sugarcane and corn (G-918). R. D. Rands and Ernest Dopp.
- Chromosome number and meiotic behavior in *Gossypium* (G-907). J. M. Webber.
- Damage to *Pinus monticola* by *Cionartium ribicola* at Garibaldi, British Columbia (G-916). H. G. Lachmund.
- Relation of the potato flea beetle to common scab infection of potatoes (G-917). L. A. Schaal.
- Results of transplanting gonadal tissue in dairy cows and bulls (I-18). Fred W. Miller, R. R. Graves, and G. T. Creech.
- The cystine, tryptophane, and tyrosine content of the soybean (E-56). Frank A. Csonka and D. Breese Jones.

— Vol. 49, no. 5, Illus. September 1, 1934.

Contents:

- Nature of injury to forage legumes by the potato leaf hopper (G-921). Howard W. Johnson.
- Parasitism of *Rhizoctonia solani* on sugar beet (G-920). E. L. LeClerc.
- The influence of inheritance and environment on the milk production and butterfat percentage of Jersey cattle (Me-22). John W. Gowen.
- Inoculations showing the wide host range of *Botryosphaeria ribis* (Calif.-67). Clayton O. Smith.

Public roads. Vol. 14, March 1933—February 1934, Index; vol. 15, no. 6, August 1934. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Weekly weather and crop bulletin. Nos. 36-39, September 4-25, 1934. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

Achieving a balanced agriculture. 52 p., illus. (G-20).³

A charted course toward stable prosperity. Henry A. Wallace. 11 p. (G-23).³

Marketing agreement, amendment to marketing agreement, and license for shippers of potatoes grown in Florida, Georgia, South Carolina, North Carolina, Virginia, and Maryland. Marketing agreement series—Agreement no. 48. License series—License no. 76. 37 p. (M-75.) Price, 5¢.²

Marketing agreement and license for shippers of Florida strawberries. Marketing agreement series—Agreement no. 50. License series—License no. 81. 20 p. (M-77.) Price, 5¢.²

Marketing agreement and license for handlers of California Gravenstein apples. Marketing agreement series—Agreement no. 51. License series—License no. 82. 28 p. (M-78.) Price, 5¢.²

Marketing agreement and license for the watermelon industry in the Southeastern States (Florida, South Carolina, North Carolina, and Georgia). Marketing agreement series—Agreement no. 52. License series—License no. 83. 27 p. (M-79.) Price, 5¢.²

Marketing agreement and license for dried prunes produced in the State of California. Marketing agreement series—Agreement no. 53. License series—License no. 87. 75 p. (M-80.) Price, 10¢.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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